

### ■ Contents

|                                   |    |
|-----------------------------------|----|
| 1. BEFORE STARTING .....          | 43 |
| 2. PACKAGE CONTENTS .....         | 43 |
| 3. GENERAL CAUTIONS .....         | 44 |
| 4. CAUTIONS ON INSTALLATION ..... | 44 |
| 5. INSTALLING THE MAIN UNIT ..... | 45 |
| 6. REMOVING THE MAIN UNIT .....   | 47 |
| 7. CAUTIONS ON WIRING .....       | 47 |
| 8. WIRE CONNECTION .....          | 48 |
| 9. SAMPLE SYSTEMS .....           | 50 |

## 1. BEFORE STARTING

1. This set is exclusively for use in cars with a negative ground 12 V power supply.
2. Read these instructions carefully.
3. Be sure to disconnect the battery “⊖” terminal before starting. This is to prevent short circuits during installation. (Figure 1)

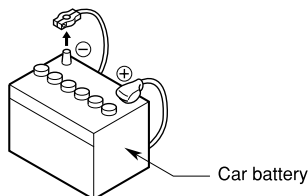


Figure 1

## 2. PACKAGE CONTENTS

- |   |                                     |
|---|-------------------------------------|
| ① <b>Main unit</b>                                    | Cord clamp                          |
| ② <b>Manuals</b>                                      | Spacer                              |
| Owner's manual & Installation manual                  | Special screw                       |
| Warranty card   | ⑥ <b>Universal mounting bracket</b> |
| ③ <b>Power supply lead</b>                            | ⑦ <b>Remote control unit</b>        |
| ④ <b>Bag for accessories of the main unit (No. 1)</b> | ⑧ <b>Battery</b>                    |
| Flat head screw (M5 × 8).....4                        | (for remote control unit)           |
| Sems hexagonal bolt (M5 × 8).....5                    | ⑨ <b>Outer Escutcheon</b>           |
| ⑤ <b>Bag for accessories of the main unit (No. 2)</b> | ⑩ <b>DCP Case</b>                   |
| Hook plate.....2                                      |                                     |

### 3. GENERAL CAUTIONS

1. Do not open the case. There are no user serviceable parts inside. If you drop anything into the unit during installation, consult your dealer or an authorized CLARION service centre.
2. Use a soft, dry cloth to clean the case. Never use a rough cloth, thinner, benzene, or alcohol, etc. For tough dirt, apply a little cold or warm water to a soft cloth and wipe off the dirt gently.

### 4. CAUTIONS ON INSTALLATION

1. Prepare all articles necessary for installing the main unit before starting.
2. This model is used with the LCD panel slid forwards (shell loading system). On some types of cars, the LCD panel may touch the dashboard or shift lever, in which case it cannot be installed. Check that the set will not hamper operation of the shift lever before choosing the place of installation. (Figure 2)

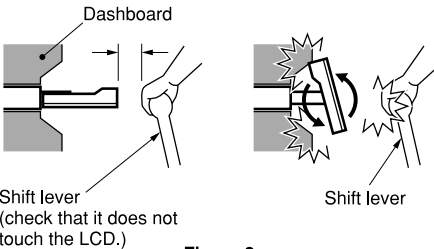


Figure 2

3. Install the unit within 30° of the horizontal plane. (Figure 3)

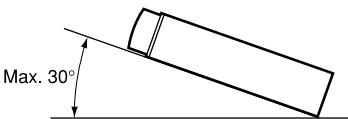


Figure 3

4. If you have to do any work on the car body, such as drilling holes, consult your car dealer beforehand.

5. Use the enclosed screws for installation. Using other screws can cause damage. (Figure 4)

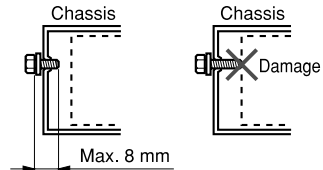


Figure 4

6. The source unit has mounting screw holes for NISSAN (N marks) and TOYOTA (T marks) vehicles.

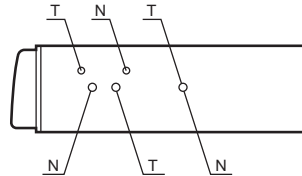


Figure 5

# 5. INSTALLING THE MAIN UNIT

## ■ Universal Mount

1. Place the universal mounting bracket into the instrument panel, use a screwdriver to bend each stopper of the universal mounting bracket inward, then secure the stopper as shown in Figure 6.
2. Wire as shown in Section 8.
3. Insert the main unit into the universal mounting bracket until it locks.
4. Mount the outer escutcheon so that all the hooks are locked.

### Notes:

- 1) Some car models require special mounting kits for proper installation. Consult your Clarion dealer for details.
- 2) Fasten the front stopper securely to prevent the main unit from coming loose.

### • Console opening dimensions

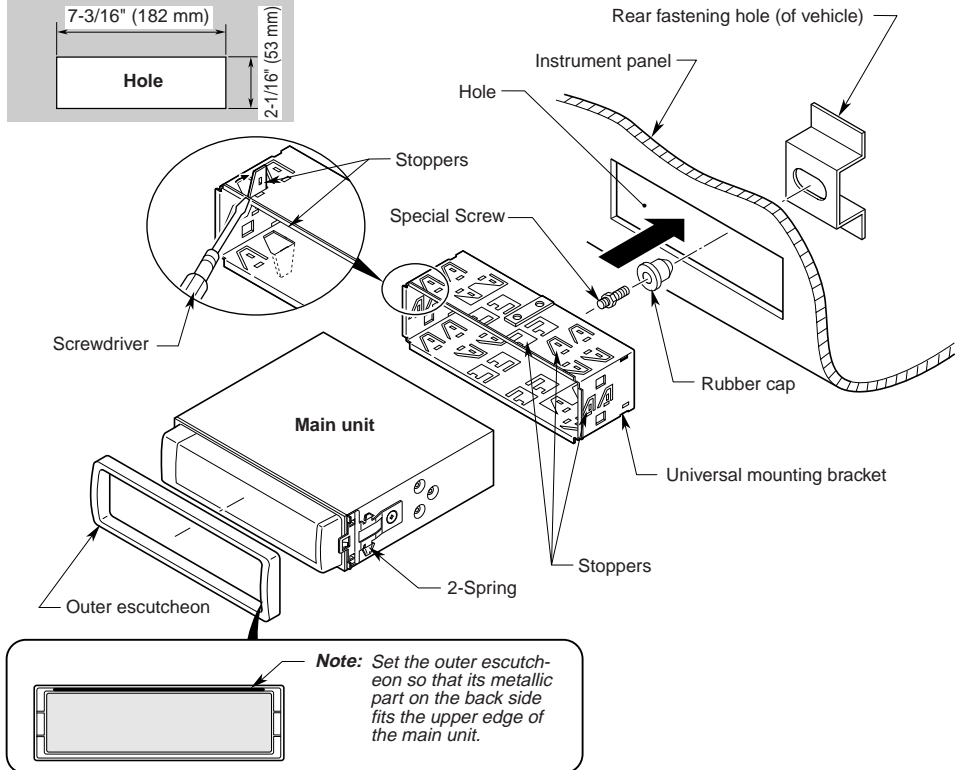
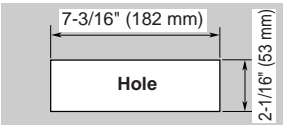


Figure 6

## ■ Fixed Mount (TOYOTA, NISSAN and other ISO/DIN equipped vehicles)

This unit is designed for fixed installation in the dashboard.

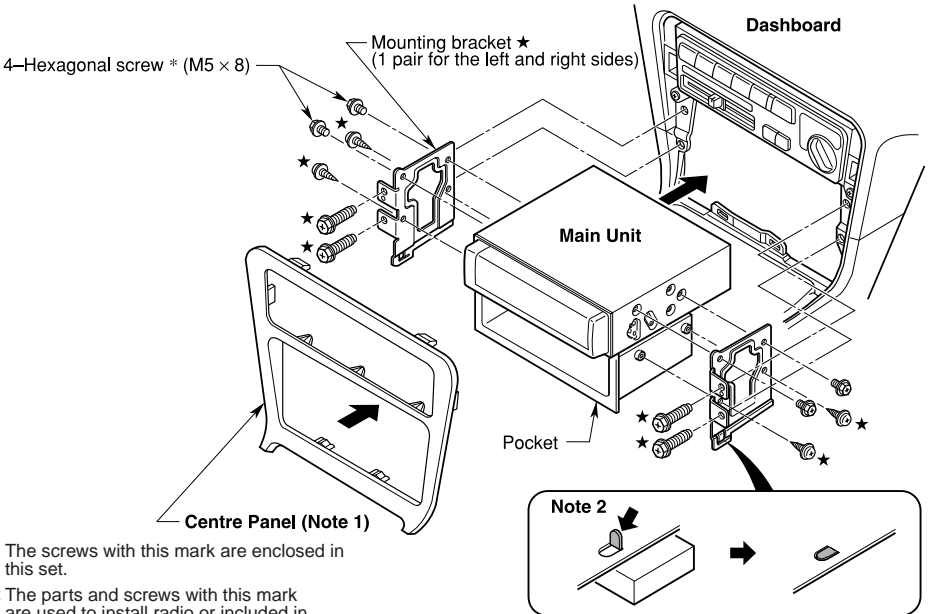
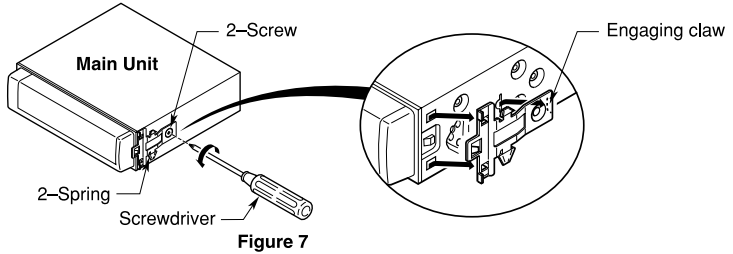
If the vehicle is equipped with a factory-installed radio, install the main unit with the parts and screws marked (\*). (Figure 8)

If the vehicle is not equipped with a factory-installed radio, obtain an installation kit to install the main unit in the following procedure.

1. Remove the screws from both side of the main unit. Then, at either side, lift the leaf spring until the engaging claws are released from the holes, and slide the spring to the direction of arrow to remove it. Repeat the

same for the other side to remove the springs from the both sides. (Figure 7)

2. Secure the mounting brackets to the chassis as shown in Figure 8. Holes are pre-tapped for TOYOTA and NISSAN vehicles; modification, such as drilling new holes, of the mounting brackets may be required for other models.
3. Wire as shown in Section 8.
4. Secure the unit in the dashboard, and then reassemble the dashboard and the centre panel.



\*: The screws with this mark are enclosed in this set.

★: The parts and screws with this mark are used to install radio or included in the installation kit.

**Note 1:** In some cases, the centre panel may require some modification (trimming, filling, etc.).

**Note 2:** If a hook on the installation bracket interferes with the unit, bend and flatten it with a nipper or a similar tool.

## 6. REMOVING THE MAIN UNIT

1. When the rear of the main unit has been secured with the method shown in Figure 6 unfasten the special screw.
2. Remove the outer escutcheon.
3. Insert the hook plate between the spring and the universal mounting bracket, fit tab **(A)** of

the spring into hole **(A)** of the hook plate, then pull the main unit out by the hook plate. (Insert both the right and left edges of the hook plate.) (Figure 9)

**Note:** Keep the hook plate. You cannot remove the main unit without disengaging the hook plate.

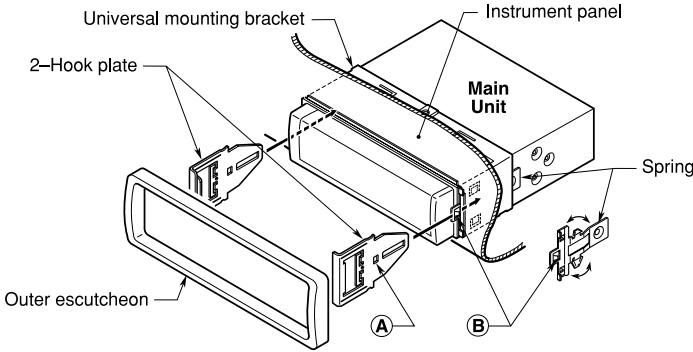


Figure 9

## 7. CAUTIONS ON WIRING

1. Be sure to turn the power off before wiring.
2. Be particularly careful where you route the wires.  
Keep them well away from the engine, and exhaust pipe, etc. Heat may damage the wires.

3. If the fuse should blow, check to see if the wiring is correct.

If it is, replace the fuse with a new one with the same amperage rating as the original.

4. When any fuse is to be replaced, pull out the fuse (15A) at the rear of the main unit and put in a new one (Fig.10).

Rear view of the Main unit

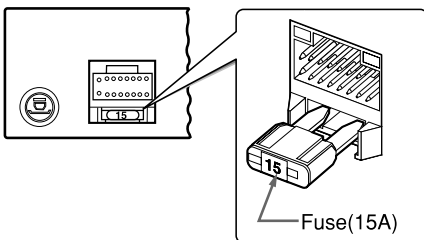


Figure 10

### CAUTION

**After the connection, fix the lead by a clamp or insulation tape for protection.**

5. When connecting the ground lead, fasten the ground lead (black) securely to a clean metal plate on the car. (Figure 11)

If the set is insufficiently grounded, it may not operate or there may be noise.

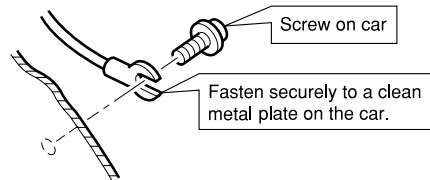
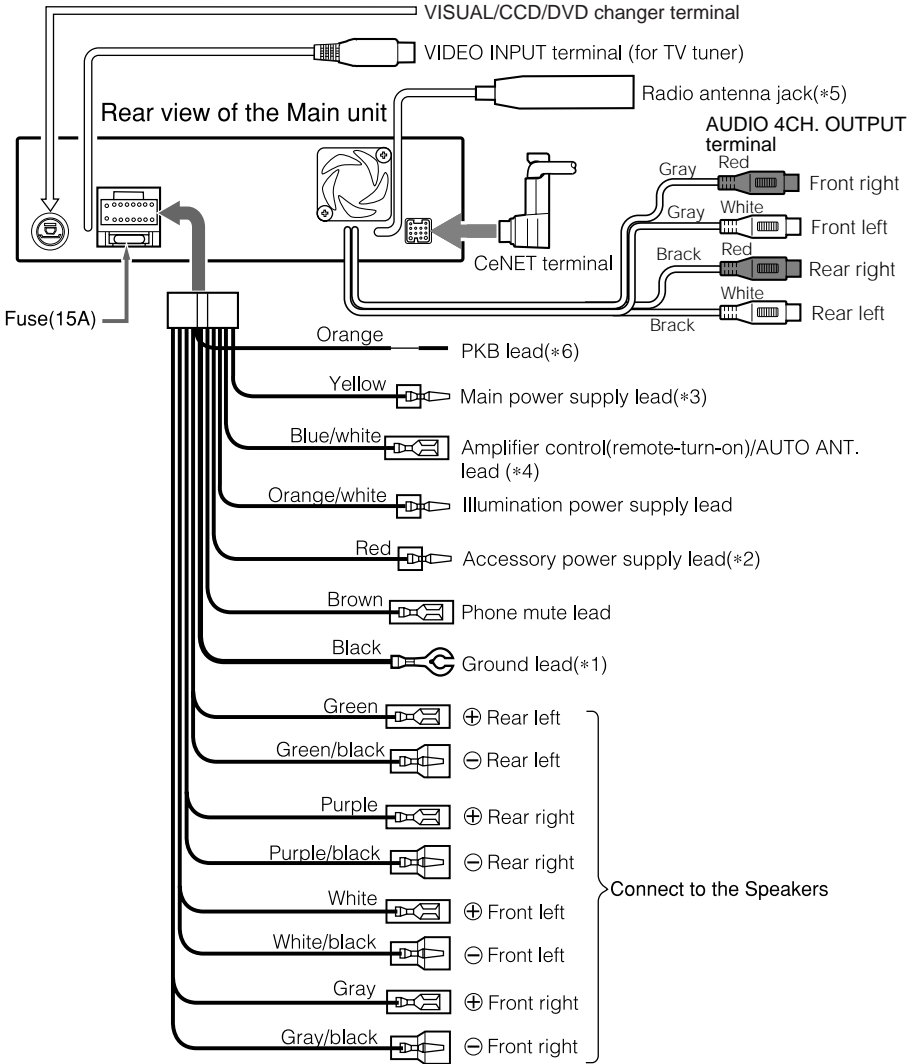


Figure 11

# 8. WIRE CONNECTION



- \*1: Connect securely to the metal part of the vehicle with a screw, etc.
- \*2: Connect to the power supply terminal which can be turned on and off by the ignition switch.
- \*3: Connect to the power supply terminal where the power is always supplied regardless of whether the ignition switch is turned on or off.
- \*4: Connect to the remote turn-on lead of amplifiers.
- \*5: Use the attached extension lead when necessary.
- \*6: Connect the terminal to the lead wire on the lamp side of the parking brake lamp switch. After connection, apply the parking brake, then check that the TV displays an image.
  - If the PKB lead is not connected to the side brake, some units may not operate.

## ■ Connecting the Accessories

### ● Connection to the external amplifier

The external amplifier can be connected to the AUDIO 4CH. OUTPUT terminal (RCA pin jack) on the main unit. In other words, it can be connected provided the DSP is connected.

### ● Connection to the CCD camera for vehicle

The CCD CAMERA for vehicle can be connected to the system expansion terminal on the main unit. For detailed information, refer to the instruction sheet or manual for the CCD CAMERA.

**Notes:**

- A power supply box (sold separately) is required for connection of the main unit and the CCD CAMERA.
  - While the CCD CAMERA is used, the navigation cannot be turned on.
  - The power supply box for camera CCA-147 can not be used. Please use The CCA-188 instead.
- If the specified lead of the cellular phone is connected to the phone mute lead of the source unit, the audio mute is available when the cellular telephone is used.

For audio mute setting in cellular telephone use, see page 32.

### ● TV Tuner

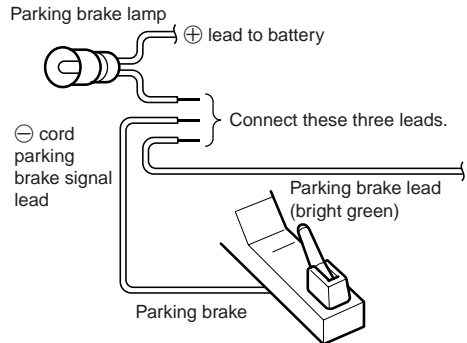
When the TV TUNER is to be connected, connect the Ce NET connector and RCA PIN (yellow). For detailed information, refer to the instruction manual of the TV TUNER.

## ■ Connecting the parking brake lead

Connect the lead to parking brake lamp earth in the meter panel.

**Notes:**

- Connecting the parking brake lead to lamp earth allows you to watch TV/VTR/DVD changer when the parking brake is engaged.
- When the parking brake lead is not connected, the monitor will stay off.

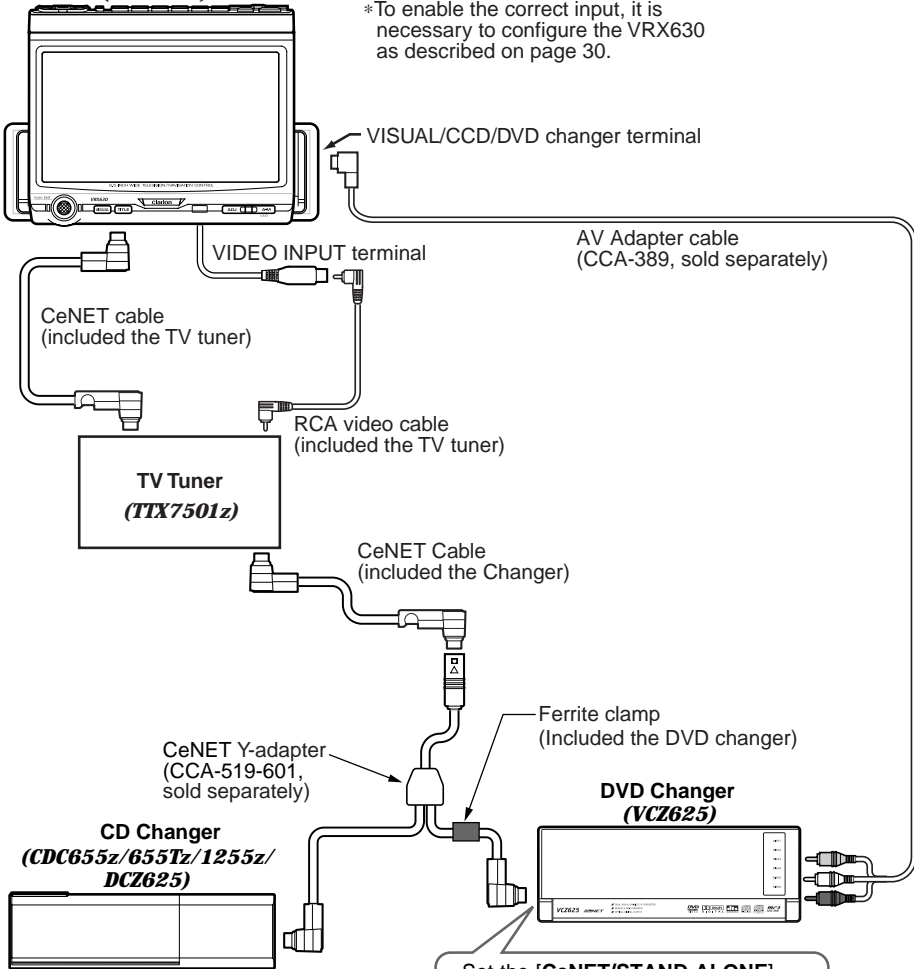


# 9. SAMPLE SYSTEMS

## ■ Sample System 1


**Main Unit  
(VRX630)**

\*To enable the correct input, it is necessary to configure the VRX630 as described on page 30.



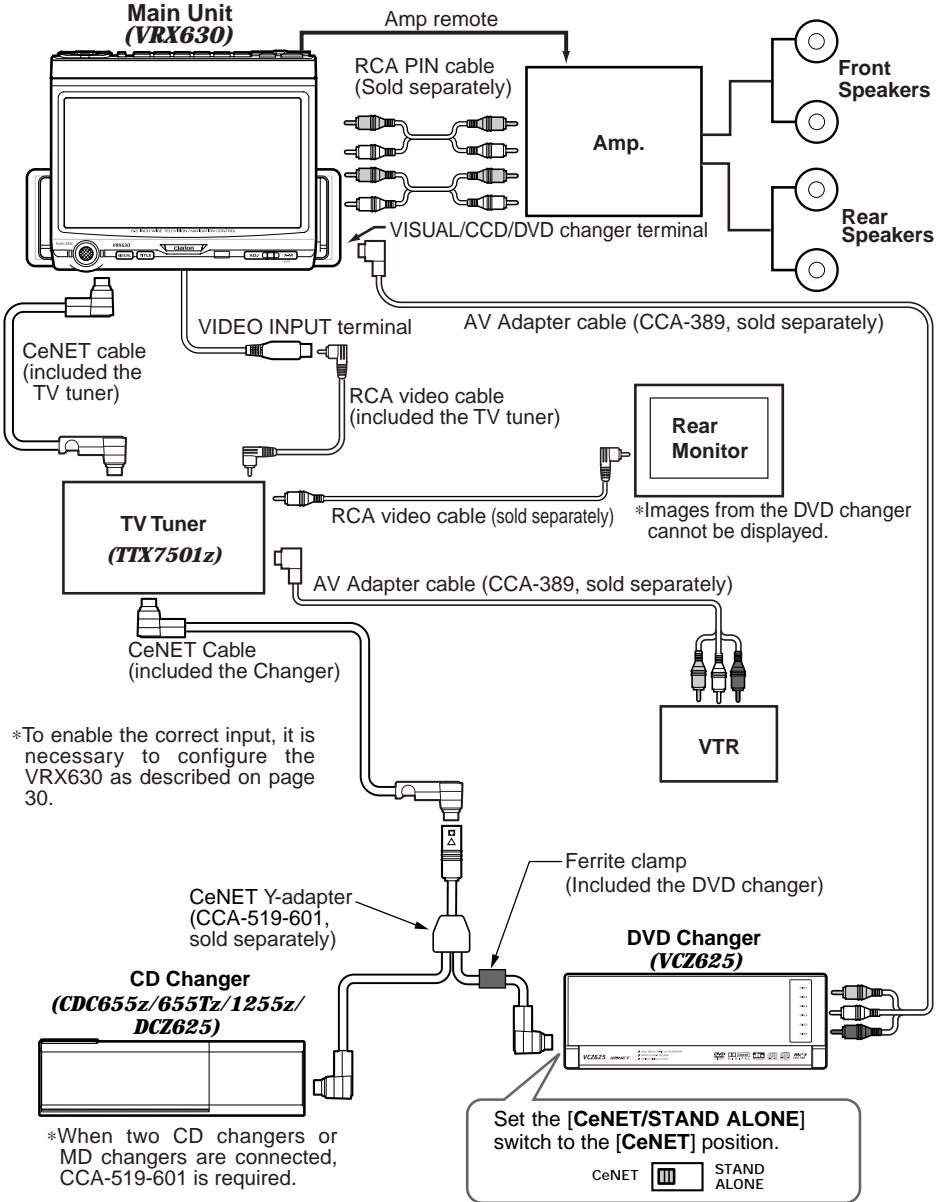
\*When two CD changers or MD changers are connected, CCA-519-601 is required.

Set the [CeNET/STAND ALONE] switch to the [CeNET] position.

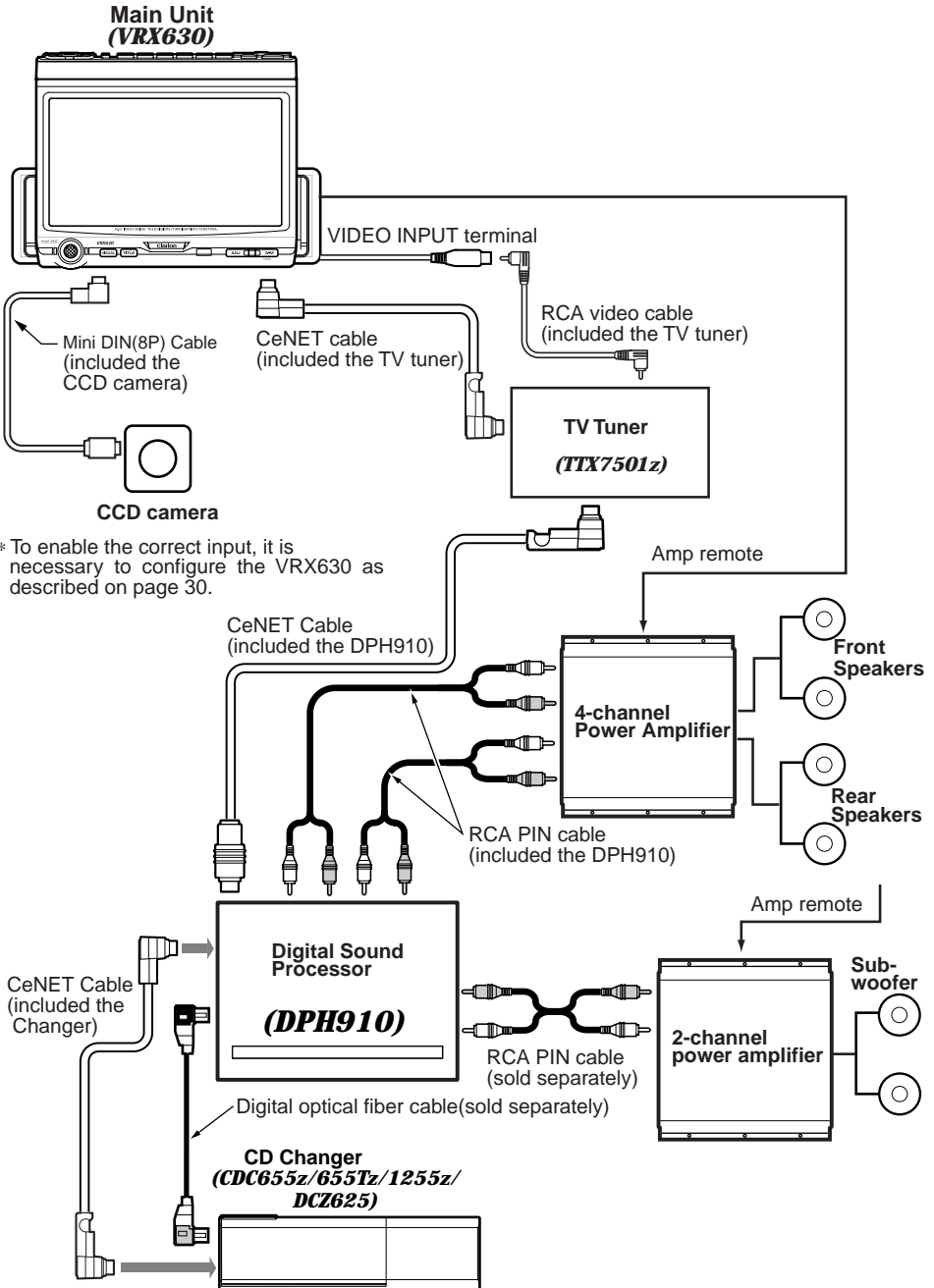
CeNET  STAND ALONE



## ■ Sample System 2



## ■ Sample System 3



\* To enable the correct input, it is necessary to configure the VRX630 as described on page 30.